

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR

Publication
EP 3134676 B1 20180808 (DE)

Application
EP 16700316 A 20160106

Priority
• CH 152015 A 20150107
• CH 2016000003 W 20160106

Abstract (en)
[origin: WO2016109903A1] The invention relates to a heat exchanger (100) for an interior space of a combustion plant, comprising a plurality of heat exchanger pipes (11) extending in parallel over a defined length range (H), which heat exchanger pipes are altogether surrounded by a refractory protective lining (20) over said length range. Between the heat exchanger pipes (11) and the protective lining (20), at least one intermediate space (30) is formed. The heat exchanger further comprises gas supply means for supplying a protective gas to the at least one intermediate space (30). Together with webs (12) that mechanically connecting the heat exchanging pipes, the heat exchanger pipes (11) form a pipe wall (10). The at least one intermediate space (30) between the heat exchanger pipes (11) and the protective lining (20) is formed on both sides of the pipe wall (10). The gas supply means comprise a gas distribution box (40) having at least one gas inlet opening (41) for the protective gas and a plurality of gas outlet openings (42), which terminate in the at least one intermediate space (30) between the heat exchanger pipes (11) and the protective lining (20).

IPC 8 full level
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CPC (source: EP)
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Citation (opposition)
Opponent : Martin GmbH für Umwelt- und Energietechnik
• EP 2754961 A2 20140716 - MARTIN GMBH FÜR UMWELT UND ENERGIE TECHNIK [DE]
• "Refractory Innovation by Jünger + Gräter, JuSyS Tube Wall Protection - Technolog y", EXPERIENCE AND COMMERCIAL ASPECTS - PREWIN MEETING AT MVV MANNHEIM, 8 June 2011 (2011-06-08)
• HANS-GEORG BEUL ET AL.: "Development of a Rear-Ventilated Superheater Refractory System", PREWIN GENERAL ASSEMBLY MEETING, 5 June 2013 (2013-06-05), Norwegen, pages 1 - 5,7,9-29, XP055518454

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